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## FACSIMILE COVER SHEET

**DATE:** May 23, 2005  
**FILE NO:** AVAN 001110  
**TO:** Craig, Curtis  
**FAX NO:** (703) 872-9306  
**PHONE NO:**  
**COMPANY:** USPTO  
**FROM:** John C. Carey  
**PAGE(S) with cover:** 12  
**ORIGINAL TO FOLLOW?** ☐ YES ☒ NO

### RESPONSE TO OFFICE ACTION DATED FEBRUARY 24, 2005

**TITLE:** APPARATUS AND SYSTEM FOR A RE-CONFIGURABLE  
CHANNEL DROPPING DEMULTIPLEXER  
**U.S. SERIAL NO.:** 10/661,452  
**FILING DATE:** September 12, 2003  
**INVENTOR:** Yongsheng Liu  
**EXAMINER:** Craig, Curtis  
**GROUP ART UNIT:** 2872  
**CONFIRMATION NO.:** 7807

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**MAY 23 2005**

**PATENT**  
**AVAN/001110**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**  
**Yongsheng Liu**

**Serial No.: 10/661.452**

**Confirmation No.: 7807**

**Filed: September 12, 2003**

**For: Apparatus and System for a Re-Configurable Channel Dropping Demultiplexer**

Group Art Unit: 2872  
 Examiner: Curtis, Craig  
 Customer No.: 47389

**MAIL STOP AMENDMENT**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Dear Sir:

**CERTIFICATE OF FACSIMILE TRANSMISSION**  
37 CFR 1.8

I hereby certify that this correspondence and the documents referred to as attached therein are being facsimile transmitted to the U.S. Patent and Trademark Office to the fax number indicated by the Examiner, namely, fax number 703.871.9306 to the attention of the named Examiner, on the date below.

5/23/05  
Date

John C. Carey  
Signature

**RESPONSE TO OFFICE ACTION DATED FEBRUARY 24, 2005**

In response to the Office Action dated February 24, 2005, having a shortened statutory period for response set to expire on May 24, 2005, please enter this response and reconsider the claims pending in the application for reasons discussed below. Although Applicants believe that no additional fees are due in connection with this response, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/AVAN/001110/JC for any fees including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

**Amendments to the Claims** begin on page 2 of this paper. **Remarks** begin on page 7 of this paper.